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DIRECTOR OF CENTRAL INTELLIGENCE
Intelligence Information Handling Committee
WASHINGTON, DC 20505

LOGGED
30 JUL 1984

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26 July 1984

MEMORANDUM FOR: Technology Subcommittee Members

STAT   FROM:

                  Chairman, Intelligence Information
                    Handling Committee

SUBJECT: Minutes of TECHSUB Meeting,
                    18 July 1984

1. The Technology Subcommittee (TECHSUB) of the IHC held its first meeting on 18 July 1984. In attendance were:

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	- Chairman
LTC Thomas G. Baybrook	- DMA
	- DIA
LTC Bruce O. Klein	- Air Force
Ms. Kelly Knudson	- FBI
Robert Walsh	- Army
Diane Fountaine	- OUSDRE
	- CIA

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2. The Subcommittee discussed its role and mission. It will perform the following functions:

    a. Maintain knowledge of the state-of-the-art in information handling technologies. A list of example technologies is attached.

    b. Review future information handling requirements, identify potential problems requiring technological solutions, and advise the IHC on the appropriate solutions.

    c. Identify maturing technologies that the Intelligence Community could exploit to its benefit.

    d. Identify emerging technologies of such importance that the Intelligence Community might wish to expedite or aid in development.
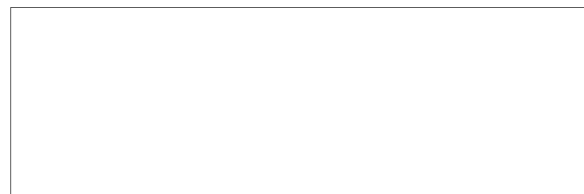
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3. The Subcommittee discussed the need for a technology forecast study. It was determined that much of the work already has been accomplished in other forums. If additions or updates are needed, it was suggested that an external contractor would be in the best position to provide the information. The Chairman will gather the available forecasts for Subcommittee review.

4. The next TECHSUB meeting will be held _____ on 15 August at   STAT
0945. We will review what is known about increased data volume from future collection programs and discuss our current knowledge of information handling technologies.

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Attachment: a/s

Distribution:
  Orig - TECHSUB Members
     1 - IHC Subject
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     1 - ICS Registry

STAT   ICS/IHC _____ (26 Jul 84)

Technologies for TECHSUB Review

A. Processing, storage and retrieval

    1. Digitizers (OCRs, scanners, etc.)

    2. High capacity storage (optical disks, etc.)

    3. Mainframes including supercomputers

    4. Workstations and displays

    5. Hardcopy printing

B. Software

    1. Artificial intelligence (presorting/preanalysis, decision support systems, etc.)

    2. Analyst interface including common user language

    3. Data base management (text search and structured files)

    4. Automated indexing and abstracting

    5. Machine assisted translation

    6. Operating systems

    7. Programming languages

C. Networks

    1. Local area networks (optical and coaxial)

    2. High data rate image transmission

    3. Gateways

    4. Protocols

    5. Data compression

D. Access Security (The TECHSUB will use the results of the DCI COMPUSEC Project as they pertain to the scope of this review.)

    1. Operating system security

    2. Guard devices

    3. User authentication

    4. Automated audit

    5. Network security